

Anti-BORIS [4A7]

Catalogue number: 151848

Sub-type: Primary antibody

Images:

Contributor

Inventor: Elena Klenova

Institute: University of Essex

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-BORIS [4A7]

Alternate name: Brother of the regulator of imprinted sites, Cancer/testis antigen 27, CCCTC binding factor (zinc finger protein) like, CCCTC-binding factor, CT27, CTCF paralog, CTCF T, CTCF-like protein, Ctcfl, CTCFL_HUMAN, dJ579F2.2, HMG 1L1, HMGB1L1, MGC163358, MGC16915, MGC16916

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody to understand the role of BORIS protein in prostate cancers.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgM kappa

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: The N-terminal domain (aa 2-257) of human BORIS (CTCFL) protein, expressed in E.coli

Immunogen UNIPROT ID: Q8NI51

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Testis

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: BORIS

Target alternate names:

Target background: BORIS protein is a transcriptional repressor encoded by CTCFL gene, and is normally present at high levels in testis. BORIS protein has been identified as Cancer-Testis Antigen (CTA) with testis-specific paralogue of the CCCTC-binding factor. Recent studies have demonstrated that BORIS is directly responsible for the transcriptional activation of TSP50 (testes-specific protease 50). BORIS protein is detected in all prostate cell lines and prostate tumours, but it is absent in benign prostatic hyperplasia tissues. Increased BORIS protein levels correlate with higher Gleason scores, T-stage and androgen receptor (AR) protein levels in prostate tumours. This reagent is for research and as a diagnostic tool.

Molecular weight: 83 kDa

Ic50:

Applications

Application: ChIP ; ELISA ; IF ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-BORIS [20B11]

References

References: Julien et al. 2009. Br J Cancer. 100(11):1746-54. PMID: 19436292. ; Sialyl-Tn vaccine induces antibody-mediated tumour protection in a relevant murine model.

CancerTools.org